

Message Text

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ORIGIN EB-08

INFO OCT-01 EUR-12 ISO-00 ICAE-00 DODE-00 NSAE-00
TRSE-00 SOE-02 DOE-15 CIAE-00 COME-00 /038 R

DRAFTED BY DOE:JKRATZ/EB/ITP/EWT:BRFURNESS
APPROVED BY EB/ITP/EWT:AJREICHENBACH
COMMERCE/OEA:RMEYER (SUBS)
DEFENSE/OSD:LJAMES (SUBS)

-----044556 250034Z /15

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FM SECSTATE WASHDC
TO AMEMBASSY PARIS IMMEDIATE

C O N F I D E N T I A L STATE 104626

USOECD, EXCON

E.O. 11652: XGDS-1

TAGS: ESTC, COCOM

SUBJECT: U.S. COUNTERPROPOSAL TO BELGIUM PROPOSAL ON
IL 1091

REF: COCOM DOC DEF (77) 1091/48, 24 FEB 78

1. U.S. IS PREPARED TO ACCEPT BELGIUM SECOND REVISED
PROPOSAL ON IL 1091 (B) TO THE EXTENT IT CONFORMS WITH THE
APPLICABLE PART OF THE U.S. IL 1091 PROPOSAL, THAT IS, SUB-
ITEM A.1, SET FORTH IN COCOM DOC DEF (77) 1091/42 (REVISED),
11 JAN 78, AND IS AMENDED IN THE FOLLOWING PARTICULARS:

(A) IN SUBITEM A.1.(C), DELETE "20 KW" AND SUBSTITUTE "35
KW";

(B) IN SUBITEM A.1(F), PUT A PERIOD AFTER "MACHINE" IN
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THIRD LINE, AND DELETE ONLY THE BRACKETS FROM THE REMAINDER
OF THIS SUBITEM (SUBSTANCE OF BRACKETED MATERIAL REMAINS).

(C) ADD AN ADMINISTRATIVE EXCEPTIONS NOTE TO READ AS
FOLLOWS:

NOTE 1

GOVERNMENTS MAY PERMIT, AS ADMINISTRATIVE EXCEPTIONS, THE SHIPMENT OF FLOOR-TYPE HORIZONTAL BORING MILLS TO CIVIL END-USERS, OTHER THAN AEROSPACE, FOR CIVIL END-USERS PROVIDED THAT ALL OF THE FOLLOWING CONDITIONS ARE MET:

A. MAXIMUM TRAVERSE (X-AXIS) TRAVEL EQUAL TO OR LESS THAN 15,000 MM;

B. MAXIMUM VERTICAL (Y-AXIS) TRAVEL EQUAL TO OR LESS THAN 5,000 MM;

C. MAXIMUM Z-AXIS TRAVEL EQUAL TO OR LESS THAN 3,000 MM;

D. POSITIONING ACCURACY OF ANY AXIS IS EQUAL TO OR GREATER THAN PLUS/MINUS 0.01 MM PER 300 MM AND 0.005 MM FOR EACH ADDITIONAL 300 MM.

E. SPINDLE HORSEPOWER EQUAL TO OR LESS THAN 75 KW;

F. SINGLE WORKING SPINDLE (MAY HAVE MULTIPLE TOOL HEADS, OR TURRETS, AS STANDARD OR OPTIONAL, BUT ONLY ONE SPINDLE MAY BE OPERATIVE AT A TIME; MULTIPLE DRILL HEADS FOR DRILLING AND DEEP BORING OPERATIONS DO NOT COME UNDER THE EMBARGO);

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G. AXIAL AND RADIAL MOTION MEASURED AT THE SPINDLE AXIS IN ONE REVOLUTION OF THE SPINDLE EQUAL TO OR GREATER THAN $D \times 2 \times 10^{\text{SUPERSCRIPT MINUS 5}}$ TIR (PEAK-TO-PEAK) WHERE D IS THE SPINDLE DIAMETER IN MILLIMETERS.

H. NO MORE THAN THREE AXES CAPABLE OF SIMULTANEOUSLY COORDINATED CONTOURING MOTION REGARDLESS OF THE NUMERICAL CONTROL UNIT CONTROLLING THE MACHINE. (1) SECONDARY PARALLEL CONTOURING AXES ARE NOT COUNTED WHEN DETERMINING THE NUMBER OF CONTOURING AXES; AND (2) MACHINES MAY HAVE ADDITIONAL PARALLEL OR NON-PARALLEL ROTARY AXES CAPABLE OF BEING POSITIONED IN INCREMENTS NO LESS (FINER) THAN 0.5 DEGREES.

2. ACCEPTANCE BY THE USG OF BELGIUM PROPOSAL AS REVISED IN PARAGRAPH 1 ABOVE IS ON THE CONDITION THAT ALL ASPECTS OF THE U.S. COUNTERPROPOSAL, AS SET FORTH IN PARAGRAPH 1 ABOVE, ARE AGREED TO BY THE COMMITTEE. IN OTHER WORDS, USG IS NOT REPEAT NOT PREPARED TO AGREE TO REVISION OR DELETION OF SOME ASPECTS OF THE U.S. PROPOSAL WHILE AGREEING TO OTHER ASPECTS, E.G., THE ADMINISTRATIVE

EXCEPTIONS NOTE.

3. JUSTIFICATION FOR THE CHANGES PROPOSED HAVE BEEN EXTENSIVELY DISCUSSED IN THE COMMITTEE DURING PREVIOUS DISCUSSIONS OF THE BELGIUM IL 1091 PROPOSAL AND ARE RECORDED IN THE RECORDS OF DISCUSSIONS AND TWG WORKING GROUP DISCUSSIONS DURING NEGOTIATIONS IN MAY 77 AND JAN 78. THE U.S. COUNTERPROPOSAL IS ESSENTIALLY AS WE DISCUSSED IN THE COMMITTEE IN JANUARY, 1978, AND THE ONLY CHANGES MADE FROM THE REVISED BELGIUM PROPOSAL ARE THE ADDITION OF LIMITING PARAMETERS WHICH HAVE APPEARED IN EARLIER US SUBMISSIONS ON IL 1091 (MAY 77 AND JAN 78) AND WHICH HAVE BEEN REVIEWED AND DISCUSSED AS NECESSARY. THE U.S. BELIEVES THESE ADDITIONAL LIMITING PARAMETERS
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ARE NECESSARY FOR THE REASONS PREVIOUSLY CITED IN THE RECORD.
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4. FYI. US DEL SHOULD BE AWARE THAT ACCURACY PARAMETER REMAINS UNDER STUDY. COMMERCE BELIEVES THAT THE ACCURACY PARAMETER CONTAINED IN THE AEN IS SO RESTRICTIVE AS TO NEGATE THE INTENT OF THE AEN. IN FACT, COMMERCE QUESTIONS WHETHER SUCH PARAMETERS ARE NECESSARY FOR FLOOR-TYPE HBMS SINCE THAT TYPE OF MACHINE IS USUALLY NOT A PRECISION-TYPE MACHINE TOOL. A MEANS FOR DISTINGUISHING BETWEEN PRECISION AND GENERAL INDUSTRIAL-USE MACHINE TOOLS HAS BEEN DISCUSSED IN THE NC TAC AND ELSEWHERE FOR SOME TIME AND SO FAR THE USE OF A POSITIONING ACCURACY PARAMETER SEEMS TO BE THE BEST APPROACH ALTHOUGH NOT COMPLETELY SATISFACTORY. IF RESPONSE TO US COUNTERPROPOSAL RAISES DIFFICULTIES WITH OUR POSITION ON POSITIONING ACCURACY (NOTE 1.D), WE WOULD EXPECT TO RAISE THIS ISSUE WITH THE OTHER PCS TO OBTAIN THEIR VIEWS ON THE VALUE OF THE ACCURACY PARAMETER TO DISTINGUISH BETWEEN PRECISION AND GENERAL-PURPOSE MACHINE TOOLS. FOR KRATZ: COMMERCE UNDERSTANDS THAT MISKELL IS SYMPATHETIC TO COCOM DISCUSSION OF THE NEED FOR A POSITIONING ACCURACY PARAMETER. VANCE

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Message Attributes

Automatic Decaptioning: X
Capture Date: 01 jan 1994
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: POLICIES, IL 1091, STRATEGIC TRADE CONTROLS, AMENDMENTS, EXPORT LICENSES
Control Number: n/a
Copy: SINGLE
Draft Date: 25 apr 1978
Decaption Date: 01 jan 1960
Decaption Note:
Disposition Action: RELEASED
Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment: 25 YEAR REVIEW
Disposition Date: 20 Mar 2014
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1978STATE104626
Document Source: CORE
Document Unique ID: 00
Drafter: JKRAITZ/EB/ITP/EWT:BRFURNESS
Enclosure: n/a
Executive Order: X1
Errors: N/A
Expiration:
Film Number: D780175-0631
Format: TEL
From: STATE
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1978/newtext/t19780419/aaaaapwo.tel
Line Count: 159
Litigation Code IDs:
Litigation Codes:
Litigation History:
Locator: TEXT ON-LINE, ON MICROFILM
Message ID: 8c6fbca7-c288-dd11-92da-001cc4696bcc
Office: ORIGIN EB
Original Classification: CONFIDENTIAL
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 3
Previous Channel Indicators: n/a
Previous Classification: CONFIDENTIAL
Previous Handling Restrictions: n/a
Reference: n/a
Retention: 0
Review Action: RELEASED, APPROVED
Review Content Flags:
Review Date: 18 may 2005
Review Event:
Review Exemptions: n/a
Review Media Identifier:
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
SAS ID: 2855004
Secure: OPEN
Status: NATIVE
Subject: U.S. COUNTERPROPOSAL TO BELGIUM PROPOSAL ON IL 1091
TAGS: ESTC, BE, US, COCOM
To: PARIS USOECD
Type: TE
vdkgvwkey: odb://SAS/SAS.dbo.SAS_Docs/8c6fbca7-c288-dd11-92da-001cc4696bcc
Review Markings:
Sheryl P. Walter
Declassified/Released
US Department of State
EO Systematic Review
20 Mar 2014
Markings: Sheryl P. Walter Declassified/Released US Department of State EO Systematic Review 20 Mar 2014